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WPI Acc No: 1996-189942/199620

XRAM Acc No: C96-060728

XRPX Acc No: N96-158775

Fire-resistant polycarbonate moulding materials - contain thermoplastic polycarbonate, opt. SAN copolymer or polyester, graft copolymer, silicone resin and phosphate ester cpds.

Patent Assignee: BAYER AG (FARB )

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Number of Countries: 008 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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EP 707045	A2	19960417	EP 95115513	A	19951002	199620 B
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DE 4436776	A1	19960418	DE 4436776	A	19941014	199621
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EP 707045	A3	19960821	EP 95115513	A	19951002	199641
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JP 8225737	A	19960903	JP 95286346	A	19951009	199645
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US 5658974	A	19970819	US 95539232	A	19951004	199739
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DE 59508221	G	20000531	DE 508221	A	19951002	200033
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ES 2145197	T3	20000701	EP 95115513	A	19951002	200036
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Priority Applications (No Type Date): DE 4436776 A 19941014

Cited Patents: No-SR.Pub; 3.Jnl.Ref; DE 4040243; EP 272441; EP 594021; EP 645422; JP 4298554; JP 6184357; JP 7026129

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 707045	A2	G	16	C08L-069/00	
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Designated States (Regional): DE ES FR GB IT NL

DE 4436776	A1	13	C08L-069/00	
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EP 707045	A3		C08L-069/00	
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JP 8225737	A	13	C08L-069/00	
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US 5658974	A		C08K-005/523	
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EP 707045	B1	G	C08L-069/00	
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Designated States (Regional): DE ES FR GB IT NL

DE 59508221	G		C08L-069/00	Based on patent EP 707045
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ES 2145197	T3		C08L-069/00	Based on patent EP 707045
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Abstract (Basic): EP 707045 A

Thermoplastic moulding materials contain (A) 50-95 wt.% thermoplastic aromatic polycarbonate (PC), (B) 0-20 wt.% of a copolymer or polycondensate contg. (B1) a thermoplastic copolymer of (B1.1) 50-95 wt.% styrene, alpha-methylstyrene (AMS) ring-alkylated styrene, 1-8C alkyl (meth)acrylate or a mixt. thereof, and (B1.2) 5-50 wt.% (meth)acrylonitrile, 1-8C alkyl (meth)acrylate, maleic anhydride, N-substd. maleimide, vinyl acetate or a mixt. thereof, and/or (B2) thermoplastic polyalkylene terephthalate, (C) 3-18 wt.% of a graft copolymer obtd. from (C1) 5-90 wt.% of a mixt. of (C1.1) 50-95 wt.% monomer(s) as in (B1.1) and (C1.2) 5-50 wt.% monomer(s) as in (B1.2), except vinyl acetate, on (C2) 10-95 wt.% rubber with a Tg of not above 10deg.C, (D) 0.5-5 wt.% OH gp.-contg. silicone resin of formula  $RxSi(OR')yO(4-x-y)/2$  (IV) (where R = opt. substd. hydrocarbyl, pref. Me or Ph; R' = H or alkyl; x = 0.75-1.75; y = 0.0001-0.5); the resin being made up of units of formula  $SiO_4/2'$ ,  $RSiO_3/2'$ ,  $R_2SiO_2/2$  and/or